

Structure of CV/résumé

١. Personal details:

- Name: Mohammad Salehi
- Address (college address): School of Advanced Technologies in Medicine , Shahid Beheshti University of Medical Sciences
- Telephone number (college): +982123872002
- email address: m.salehi@sbmu.ac.ir, msalehi13@gmail.com
- Google Scholar: <https://scholar.google.com/citations?user=ri1t3oAAAAJ&hl=en>
- Scopus: <https://www.scopus.com/authid/detail.uri?origin=resultslist&authorId=5552322.300&zoned=>

٢. Employment history:

Associated professor Shahid Beheshti University of Medical Sciences

٣. Education and qualifications:

- High School Diploma: ١٩٩٧
- B.Sc , Esfahan University of Medical Sciences, Iran: ١٩٩٧-٢٠٠١
- M.Sc, In Histology and embryology, Isfahan University of Medical Sciences, Iran: ٢٠٠١-٢٠٠٤
- Ph.D In Anatomical Sciences, Tehran University of Medical Sciences, Iran: ٢٠٠٤-٢٠٠٩
- Sabbatical leave: Nuclear transfer and Transgenic animal: Kinki University, Nara, Japan (٢٠٠٨- ٢٠٠٩)

٤. Awards, Skills & training:

- Establishment of Nuclear Transfer Embryonic Stem Cell: Stem cells technology research center, Tehran, Iran ٢٠١٠-٢٠١١
- Nuclear transfer in mouse: Kinki University, Nara, Japan (٢٠٠٨- ٢٠٠٩)
- Cell culture (Pastour Institute, Tehran, Iran and Stem cell technology institute, Tehran, Iran)
- Electron microscopy (Institute of Biochemistry Biophysics, Tehran, Iran)
- IVF and ICSI
- Production of Transgenic goat by SCNT ٢٠١٣
- Clinical embryologist: Shahid Taleghani Infertility Center

• **Full articles:**

- Nasr-Esfahani MH, **Salehi M**, Razavi S, Mardani M, Bahramian H, Steger K, Oraizi F. Effect of protamine- γ deficiency on ICSI outcome. *Reprod Biomed Online* ۲۰۰۴; ۹:۶۰۲-۶۰۸.
- **M. salehi**, S. Razavi, M. Mardani, et al. The relation between Protamine γ /Protamine γ ratio with fertilization, embryo quality and developmental rate in ICSI patients. *kowsar medical journal* ۱۳۸۰.
- **M. salehi**, S. Razavi, M. Mardani, et al. The relationship between sperm protamine aberrations with protamine P γ / protamine P γ ratio. *yakhte medical journal* ۱۳۸۳; ۲۴: ۲۱۲-۲۱۷.
- Nasr-Esfahani MH, **Salehi M**, Razavi S, et al. Effect of Sperm DNA Damage and Sperm Protamine Deficiency on Fertilization and Embryo Development Post ICSI. *Reproductive BioMedicine Online* ۲۰۰۵; ۱۱: ۲: ۱۹۸-۲۰۵
- Bahmanzadeh M., Abolhassani F., Amidi F., Ejtemaiemehr Sh., **Salehi M.**, Abbasi M. The effects of nitric oxide synthase inhibitor (L-NAME) on epididymal sperm count, motility, and morphology in varicocelized rat. *DARU Vol. ۱۶*, No. ۱ ۲۰۰۸
- Soleimani M, Nadri S, **Salehi M**, Sobhani A, Hajarizadeh A. Characterization of fibroblast-like cells from the rat olfactory bulb. *Int Dev Biol* ۲۰۰۸; ۵۲: ۹۷۹-۹۸۴.
- Nematollahi S, Nematbakhsh M, Haghjooyjavanmard S, Khazaei M, **Salehi M**. Inducible nitric oxide synthase modulates angiogenesis in ischemic hindlimb of rat. *Biomed Pap Med Fac Univ Palacky Olomouc Czech Repub.* ۲۰۰۹, ۱۵۳(۲):۱-۶.
- **Salehi M**, Pasbakhsh P, Soleimani M, Abbasi M, Hasanzadeh G, Modaresi MH, Sobhani A. Repair of spinal cord injury by co-transplantation of embryonic stem cell derived motor neuron and olfactory ensheathing cell. *Iran Biomed Journal.* ۲۰۰۹, ۱۳ (۳):۱۲۵-۱۳۵
- A Mohammadi-Sangcheshmeh, M Soleimani, H Deldar, **M Salehi**, S Soudi,. Prediction of oocyte developmental competence in ovine using glucose- γ -phosphate dehydrogenase (G γ PDH) activity determined at retrieval time. *J Assist Reprod Genet.* ۲۰۱۲ February; ۲۹(۲): ۱۵۳-۱۵۸.

- **Shahedi A, Hosseini A, Khalili MA, Norouzi M, Salehi M, Piriaei A, Nottola SA. The effect of vitrification on ultrastructure of human in vitro matured germinal vesicle oocytes. Eur J Obstet Gynecol Reprod Biol. ۲۰۱۳ Mar; ۱۶۷(۱):۶۹-۷۵. doi: ۱۰.۱۰۱۶/j.ejogrb.۲۰۱۲.۱۱.۰۰۶. Epub ۲۰۱۲ Dec ۲۱.**
- **Salehi M, Kato Y, Tsunoda Y. Effect of melatonin treatment on developmental potential of somatic cell nuclear transferred mouse oocytes invitro. Zygote. ۲۰۱۳ Sep ۱۶:۱-۵. [Epub ahead of print]**
- **Salehi M, Gholizadeh M, Nematollahi S, Bandehpour M, Kazemi Damaneh B, Hosseini A. Relationship between Protamine Deficiency and DNA Fragments Release from Sperm Incubated in Ham's F10 Medium. ZUMS Journal. ۲۰۱۳; ۲۱ (۸۵):۳۰-۳۹**
- **Salehi M, Akbari H, Heidari MH, Molouki A, Murulitharan K, Moeini H, Novin MG, Aabed F, Correlation between human clusterin in seminal plasma with sperm protamine deficiency and DNA fragmentation. Mol Reprod Dev. ۲۰۱۳ Sep; ۸۰(۹):۷۱۸-۲۴. doi: ۱۰.۱۰۰۲/mrd.۲۲۲۰۲. Epub ۲۰۱۳ Jul ۱.**
- **M Salimi, M Salehi, RM Farahani, MDM Abadi, MG Novin, M Nourozian, A Hosseini The Effect of Melatonin on Maturation, Glutathione Level and Expression of HMGB1 Gene in Brilliant Cresyl Blue (BCB) Stained Immature Oocyte Cell. ۲۰۱۴: ۱۵ (۴), ۲۹۴-۳۰۱**
- **F Farifteh, M Salehi, M Bandehpour, N Mosaffa, MG Novin, T Hosseini, S Histone Modification of Embryonic Stem Cells Produced by Somatic Cell Nuclear Transfer and Fertilized Blastocysts. Cell Journal. ۲۰۱۴: ۱۵ (۴)**
- **Abazari-Kia AH, Mohammadi-Sangcheshmeh A, Dehghani-Mohammadabadi M, Jamshidi-Adegani F, Veshkini A, Zhandi M, Cinar MU, Salehi M. Intracellular glutathione content, developmental competence and expression of apoptosis-related genes associated with G6PDH-activity in goat oocyte. J Assist Reprod Genet. ۲۰۱۳ Dec ۲۱.**
- **Ali Delbari^۱; Fatemeh Fadaei^۲; Mohammad Salehi^۳; Reza Mastery Farahani^۴; Abbas Piryaei^۵; Mohammad Hassan Heidari^۶; Mohsen Nourozian^۷; Vahid Mansouri. A simple method for generating small calcium-alginate beads by syringe. Journal of Histotechnology . Volume ۳۷, Issue ۴, ۲۰۱۴**
- **Dehghani-Mohammadabadi M, Salehi M, Farifteh F, Nematollahi S, Arefian E, Hajjarizadeh A, Parivar K, Nourmohammadi Z. Melatonin modulates the expression of BCL-x1 and improve the development of vitrified embryos obtained by IVF in mice. J Assist Reprod Genet. ۲۰۱۴ Jan ۱۴.**
- **Hajizadeh-Sikaroodi S, Hosseini A, Fallah A, Estiri H, Noormohammadi Z, Salehi M, Ghaderian SM. Lentiviral Mediating Genetic Engineered Mesenchymal Stem Cell for**

Releasing IL- γ as a Gene Therapy Approach for Autoimmune Diseases. Cell J. 2014, 16(3). 7.

- Mansouri V, **Salehi M**, et al. In-vitro Differentiation of Mouse Nuclear Transferred Embryonic Stem Cells to Primordial Germ Cells. Genet Mol Biol. 2010 May; 38(2): 220-6.
-
- Gholipourmalekabadi M, Mozafari M, Bandehpour M, **Salehi M**, Sameni M, Caicedo HH, Mehdipour A, Hamidabadi HG, Samadikuchaksaraei A, Ghanbarian H. Optimization of nanofibrous silk fibroin scaffold as a delivery system for bone marrow adherent cells: in vitro and in vivo studies. Biotechnol Appl Biochem. 2010 Nov; 62(6): 780-94.
- Abazari-Kia AH¹, Dehghani-Mohammadabadi M¹, Mohammadi-Sangcheshmeh A¹, Zhandi M², **Salehi M**³. Regulation of embryonic development and apoptotic-related gene expression by brain-derived neurotrophic factor in two different culture conditions in ovine. Theriogenology. 2010 Jul 1; 84(1): 62-9. doi: 10.1016/j.theriogenology.2010.02.012. Epub 2010 Feb 16.
- Zare Z¹, Masteri Farahani R, **Salehi M**, Piryaee A, Ghaffari Novin M, Fadaei Fathabadi F, Mohammadi M, Dehghani-Mohammadabadi M. Effect of L-carnitine supplementation on maturation and early embryo development of immature mouse oocytes selected by brilliant cresyle blue staining. J Assist Reprod Genet. 2010 Apr; 32(4): 630-43. doi: 10.1007/s10810-010-0430-0. Epub 2010 Jan 28.
- Taheri H, **Salehi M**, Eslami Arshaghi T, Mosahebi M. Studying of the Expression of BAX and BCL- γ Genes in Men with Sperm DNA Fragmentation Based on DFI and Comet Assay. ASJ. 2010; 12(1): 29-36
- Kabiri M¹, Oraee-Yazdani S¹, Dodel M², Hanaee-Ahvaz H³, Soudi S⁴, Seyedjafari E¹, **Salehi M**⁵, Soleimani M⁶. Cytocompatibility of a conductive nanofibrous carbon nanotube/poly (L-Lactic acid) composite scaffold intended for nerve tissue engineering. EXCLI J. 2010 Jul 27; 14: 801-6. doi: 10.1179/excli2010-282. eCollection 2010.
- Eslami-Arshaghi T¹, **Salehi M**², Soleimani M³, Gholipourmalekabadi M⁴, Mossahebi-Mohammadi M⁵, Ardeshirylajimi A¹, Rajabi H¹. Lymphoid lineage differentiation potential of mouse nuclear transfer embryonic stem cells. Biologicals. 2010 Sep; 42(5): 49-54. doi: 10.1016/j.biologicals.2010.07.001. Epub 2010 Aug 1.

- **Salehi M**¹, Ardeshirylajimi A¹, Mossahebi-Mohammadi M¹, Kondori Z¹, Jorjani M². Oligodendrocyte progenitor cells differentiation of nuclear transferred mouse embryonic. *Cell Mol Biol (Noisy-le-grand)*. ۲۰۱۰ May ۱۶;۶۱(۲):۵۶-۹.
-
- Abouhamzeh B, **Salehi M**, et al. DNA methylation and histone acetylation patterns in cultured bovine adipose tissue-derived stem cells (BADSCs). *Cell J*. ۲۰۱۰; ۱۶(۴): ۴۶۶-۴۷۰.
- Gholipourmalekabadi M, Mozafari M, **Salehi M**, Seifalian A, Bandehpour M, Ghanbarian H, Urbanska AM, Sameni M, Samadikuchaksaraei A, Seifalian AM. Development of a Cost-Effective and Simple Protocol for Decellularization and Preservation of Human Amniotic Membrane as a Soft Tissue Replacement and Delivery System for Bone Marrow Stromal Cells. *Adv Healthc Mater*. ۲۰۱۰ Apr ۲۲; ۹(۶):۹۱۸-۲۶.
- Maryam Nezhad Sistani, Marefat Ghaffari Novin, Fatemeh Fadaee Fathabadi, **Mohamad Salehi**, Maryam Salimi, Zahra Shams Mofarahe, Mahdi Hadi. The Effect of Methamphetamine on Oocyte Quality, Fertilization Rate and Embryo Development in Mice. *IJWHR* ۲۰۱۶; ۴: ۰۰۸-۰۱۲
- Abbasi N, Hashemi SM, **Salehi M**, Jahani H, Mowla SJ, Soleimani M, Hosseinkhani H. Influence of oriented nanofibrous PCL scaffolds on quantitative gene expression during neural differentiation of mouse embryonic stem cells. *J Biomed Mater Res A*. ۲۰۱۶ Jan; ۱۰۴(۱):۱۰۰-۶۴.
-
- Haghpanah T, **Salehi M**, Ghaffari Novin M¹, Masteri Farahani R¹, Fadaei-Fathabadi F¹, Dehghani-Mohammadabadi M¹, Azimi H¹. Does sperm DNA fragmentation affect the developmental potential and the incidence of apoptosis following blastomere biopsy? *Syst Biol Reprod Med*. ۲۰۱۶ Feb; ۶۲(۱):۱-۱۰.
- Hoda Rajabi, Homa Mohseni-Kouchesfehiani, Abdollah Mohammadi-Sangcheshmeh, Fattaneh Farifteh-Nobijari, and **Mohammad Salehi**. Pronuclear epigenetic modification of protamine deficient human sperm following injection into mouse oocytes. *SYSTEMS BIOLOGY IN REPRODUCTIVE MEDICINE*. ۲۰۱۶. <http://dx.doi.org/10.3109/19396376.2016.1140848>
- Ardeshirylajimi A¹, Vakilian S, **Salehi M**. Renal differentiation of Mesenchymal stem cells seeded on nanofibrous scaffolds improved by Human renal tubular cell lines conditioned medium. *ASAIO J*. ۲۰۱۶ Nov ۹. [Epub ahead of print]
-
- Vahid Mansouri, **Mohammad Salehi**, Mir Davood Omrani, Meisam Omidi, Mona Azodi. The Assessment of Apoptosis during Mouse Embryonic Stem Cells Differentiation towards the Primordial Germ Cells in Alginate Microspheres. *Regeneration, Reconstruction & Restoration*. Vol 1, No ۳ (۲۰۱۶).

- Parisa Nadri^a, Saeid Ansari-Mahyari^{a, *}, Azadeh Zahmatkesh^b, Ahmad Riasi^a, Samira Zarvandi^c, **Mohammad Salehi** Effects of a Sonic Hedgehog agonist on ovine oocyte maturation, epigenetic changes and development of parthenogenetic embryos. *Small Ruminant Research*. Volume 141, August 2016, Pages 84-90.
- Sadeghzadeh Oskouei B¹, Pashaiasl M², Heidari MH³, **Salehi M**⁴, Veladi H⁵, Ghaderi Pakdel F⁶, Shahabi P⁷, Novin MG. Evaluation of Mouse Oocyte In Vitro Maturation Developmental Competency in Dynamic Culture Systems by Design and Construction of A Lab on A Chip Device and Its Comparison with Conventional Culture System. *Cell J*. 2016 Jul-Sep; 18(3):200-13. Epub 2016 May 30.
- Haeri SM¹, Sadeghi Y¹, **Salehi M**², Farahani RM¹, Mohsen N. Osteogenic differentiation of human adipose-derived mesenchymal stem cells on gum tragacanth hydrogel. *Biologicals*. 2016 May; 48(3):123-8. doi: 10.1016/j.biologicals.2016.03.004. Epub 2016 Apr 4.
- NEZHAD SISTANI MARYAM, GHAFFARI NOVIN MAREFAT, FADAE FATHABADI FATEMEH*, **SALEHI MOHAMAD**, SALIMI MARYAM, SHAMS MOFARAHE ZAHRA, HADI MAHDI. THE EFFECT OF METHAMPHETAMINE ON OOCYTE QUALITY, FERTILIZATION RATE AND EMBRYO DEVELOPMENT IN MICE. *INTERNATIONAL JOURNAL OF WOMEN'S HEALTH AND REPRODUCTION SCIENCES* JANUARY 2016, Volume 4, Number 1; Page(s) 1 To 12.

-